

Practitioner's Docket No. U 016440-6
PATENT

**TRANSMITTAL LETTER TO THE U.S. DESIGNATED OFFICE (DO/US)--
ENTRY INTO THE U.S. NATIONAL STAGE UNDER CHAPTER I**

INTERNATIONAL APPLICATION NO. PCT/RU2004/000464	INTERNATIONAL FILING DATE 24 NOVEMBER 2004	PRIORITY DATE CLAIMED
TITLE OF INVENTION METHOD FOR QUANTITATIVELY DETECTING BIOLOGICAL TOXINS		
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PATENT TRADEMARK OFFICE

ATTENTION: DO/US

INFORMATION DISCLOSURE STATEMENT

We draw the attention of the Examiner to the attached English-language

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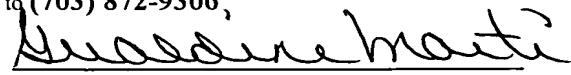
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- * Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

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version of an International-type Search Report from a foreign in respect of counterpart Application No. PCT/RU2004/000464 that indicates the degree of relevance found by the foreign office. The Search Report makes consideration of any non-English art required. MPEP 609.

We also draw the attention of the Examiner to the attached references which are considered in the specification and which are also listed on the attached form PTO-1449.

Form PTO-1449 is also attached with reference copies.

Respectfully submitted,



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FORM PTO-1449 U. S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	U 016440-6	10/589143
	APPLICANT	
	Ekaterina Igorevna DEMENTIEVA et al.	
	FILING DATE	GROUP

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA	5,770,721	06/1998	Ershov et al.	

FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
	AB	2 216 547	11/2003	RU	X
	AC	2 175 972	11/2001	RU	X

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
AD	Partial English Translation of RU 2 216 547 dated November 20, 2003	
AE	Rubina, A.Y. et al. "Hydrogel-Based Protein Microchips: Manufacturing, Properties, and Applications" <i>BioTechniques</i> (2003) Vol. 34, No. 5, pp 1008-1022	
AF	Ligler, F. et al. "Array Biosensor for Detection of Toxins" <i>Anal Bioanal Chem</i> (2003) Vol. 377, pp 469-477	
AG	Rubina, A.Y. et al. "Hydrogel Drop Microchips with Immobilized DNA: Properties and Methods for Large-Scale Production" <i>Analytical Biochemistry</i> (2004) Vol. 325, pp 92-106	
AH	English Abstract of JP 8-75742 dated March 22, 1996	
AI	Poli, M.A. et al. "Detection of Ricin by Colorimetric and Chemiluminescence ELISA" <i>Toxicon</i> (1994) Vol. 32, No. 11, pp 1371-1377	
AJ	Poli, M.A. et al. "Sensitive and Specific Colorimetric ELISAs for Staphylococcus Aureus Enterotoxins A and B in Urine and Buffer" <i>Toxicon</i> (2002) Vol. 40, pp 1723-1726	
AK	Engler, K.H. et al. "Rapid Enzyme Immunoassay for Determination of Toxigenicity Among Clinical Isolates of Corynebacteria" <i>Journal of Clinical Microbiology</i> (2000) Vol. 38, No. 4, pp 1385-1389	
AL	Ewalt, K. et al. "Detection of Biological Toxins on an Active Electronic Microchip" <i>Analytical Biochemistry</i> (2001) Vol. 289, pp 162-172	
AM	Grow, A. et al. "New Biochip Technology for Label-Free Detection of Pathogens and Their Toxins" <i>Journal of Microbiological Methods</i> (2002) Vol. 53, pp 221-233	
AN	Rubina, A.Y. et al. "Protein Microchips" <i>Reports of the Academy of Sciences</i> (2001) Vol. 381, No. 5, pp 701-704	
AO	Hesselberth, J. et al. "In Vitro Selection of RNA Molecules that Inhibit the Activity of Ricin A-Chain" <i>The Journal of Biological Chemistry</i> (2000) Vol. 275, No. 7, Issue of February 18, pp 4937-4942	
AP	Bruno, J. et al. "Use of Magnetic Beads in Selection and Detection of Biotxin Aptamers by Electrochemiluminescence and Enzymatic Methods" <i>BioTechniques</i> (2002) Vol. 32, No. 1, pp 178-183	
AQ	Hermanson, G. "Bioconjugate Techniques" <i>Academics Press</i> (1996) pp 302-316, 460-478, and 575-584	
AR	Barsky, V. et al. "Fluorescence Data Analysis on Gel-Based Biochips" <i>Journal of Biomolecular Screening</i> (2002) Vol. 7, No. 3, pp 247-257	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.